

2009 CROOKED LAKE SNAPSHOT

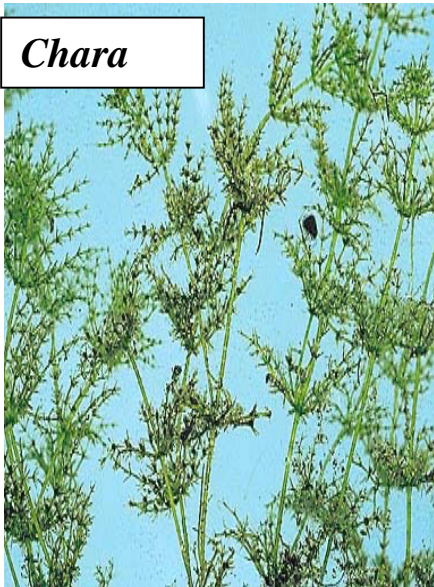
Water quality testing by lake volunteers continued. Average summer water clarity was 13.2 feet (good).

Average summer water temperature was 78 degrees Fahrenheit.

The average summer total phosphorus level was 19.5 micrograms/liter, still in the moderate range. The summer chlorophyll-a average remained low at 3.2 micrograms/liter.



Chara



The invasive Banded Mystery Snail (*Viviparus georgianus*) was confirmed as present in the lake in 2009.

Two aquatic plant surveys were conducted at Crooked Lake in the summer of 2009. One was a point intercept survey done by the WDNR. It found 62.8% of the lake had aquatic vegetation. *Chara* (muskgrass), a plant-like algae, remained the dominant species. This survey found 26 species: 5 emergent species, 2 free-floating species, 2 rooted floating-leaf species and 17 submergent plants. Curly-Leaf Pondweed (*Potamogeton crispus*) was found in this survey.

The second survey was done using the transect method, which takes samples from 20 foot depths or less. Again, *Chara* was the dominant species. However, this survey found 51 species: 24 emergent varieties; 21 submergent species; 3 free-floating species; and 3 rooted floating-leaf species. Eurasian watermilfoil was found in this survey.